AUTHORS INDEX VOLUME 33

Abas Mazni, O., 627
Abrawala, P.L., 1131
Abuzaid, S., 867
Adkinson, R.W., 336.
Agrawal, K.P., 232.
Agrawala, P.L., 289.
Aguer, D., 229.
Ahmad, K., 1211
Akamatsu, J., 769
Akkersdijk, E.M., 1075
Alcivar, A.A., 185.
Alfuraiji, M.M., 186.
Alkemade, S., 295.
Altschul, A., 187.
Altschul, M., 189.
Amann, R.P., 1057
Amir, D., 1323
Anderson, G.B., 279.
Andrews, J.C., 231,
Anthony, R.V., 613
Anzalone, C.A., 233,234,235, 236,290,337.
Archbald, L., 373
Archibald, A.L., 113.
Argerich, C., 5.
Arlotto, T.M., 188.
Armstrong, D.L., 262.
Armstrong, D.T., 241,363.
Ashman, P.A., 1191
Asri, A., 733
Atkinson. T., 186.
Atoon, R.E., 229.
Ax, R.L., 333.
Axtell, R., 332.

Bajcsy, C.S.A., 697
Bajmocy, E., 851
Bak, M., 263.
Baker, R.D., 59.
Balise, J.J., 213.
Ball, B.A., 187,189, 202.
Ball, W.F. 9.
Bane, D.P., 553
Baril, G., 192.
Barnes, F.L., 141.
Barry, B.E., 312.
Barry, D.M., 190,348.
Bartsch, B.D., 1191
Bassi, A., 569
Bastings, E., 191.
Baunack, E., 1221
Bavister, B.D., 89,231,323,1255.
Bawden, C.S., 342.
Beaton, S., 199.
Becerra, F., 208,209.
Beckmann, L.S., 193.
Beckers, A., 191.
Beckers, J.F., 191,192,366.
Beetem, D.D., 194.
Berg, U., 195.
Berger, T. 689
Bergfelt, D.R., 1269
Bernoco, D., 279.
Betteridge, K.J., 311,351,356.
Biggers, J.D., 1.
Bister, J.L., 397
Blakewood, E.G., 197,300,315.
Blanchard, T.L., 465
Bo, G.A., 198,282,347.
Boland, M.P., 239,677
Bondioli, K.R., 165,350.
BonDurant, R.H., 279.
Bonnett, B.N., 877
Boone, W.R., 23.
Bosma, A.A., 216.
Bosu, W.T.K., 637,645,1011.
Boukhliq, R., 733
Bowen, J.M., 1177
Bowen, R.A., 1057
Bowsher, T.R., 358.
Brackett, B.G., 362,477
Bradley, M.P., 199,285.
Bramwell, 1157
Bravo, P.W., 891
Brem, G., 195,272,1221.
Brethour, J.R., 661
Brillard, J-P., 1021
Brink, Z., 322.
Brinsko, S.P., 465
Broadbent, P.J., 186.
Broermann, D.M., 709
Broussard, J.R., 200.
Buckrell, B.C., 201,997,993,1231
Burns, P.J., 202.
Burry, E.R., 5.
Butler, J.E., 203,423
Butler, P.D., 217.

Caldwell, R.W., 613
Calle, P.P., 358.
Callesen, H., 251,
Cambre, R.C., 358.
Camon-Urgel, J., 843
Cantley, T.C., 193.
Capehart, J.S., 204,312.
Carlson, E.D., 1057
Carney, E., 274.
Carney, E.W., 223.
Carruthers, T.D., 519
Carson, R., 867
Cartee, R.E., 867
Castro, M., 799
Caudle, A.B., 227,345.
Chacon, R.R., 358.
Chan, P.J., 1015
Chandolia, R.K., 1143
Charreau, B., 953
Chen, Y-Q., 274.
Chen-Lu, H.B., 205.
Chew, B.P., 220,1045
Chiang, B.C., 1113
Christmann, L., 308,330.
Chupin, D., 192.
Clark, A.J., 113.
Clark, J.R., 298.
Coert, A., 229.
Colborn, D.R., 312.
Coonrod, S.A., 230.
Corah, L.R., 661
Corbin, G.D., 206.
Cordova, S.A., 207.
Coskun, S., 318.
Cox, N.M., 1287
Coy, D.H., 307.
Cranfield, M.R., 233,337.
Crosby, T.F., 1279
Currie, W.B., 187.

Daels, P.F., 1305
Dagnaes-Hansen, F., 250,251.
Daroliya, R.K., 1143
Day, B.N., 193.
de Boer-Brouwer, H., 216.
Del Campo, M.R., 208,209,294.
Denniston, R.S., 309.
Deshpande, L., 210.
Deyo, R., 733
Didion, B.A., 211,212,284,1165.
Dieleman, S.J., 697
Dobrinsky, J.R., 213.
Dobson, H., 977,993,1231
Dodson, M.G., 261,266.
Dolman, D.F. 186.
Dorland, M., 216.
Dorn, C.G., 217,218.
Dresser, B.L., 206,228,231,299
Duan, E.K., 219.
Ducoing, A., 749
Duffy, P., 239.
Dunbar, M.M., 220.
Durrant, B.S., 221.

Echternkamp, S.E., 222.
Ectors, F., 191,366.
Edqvist, L-E., 1091
Ellington, J.E., 223,224,225,433
Elsaesser, F., 415
Elsden, R.P., 322.
Eppig, J.J., 89.
Ericsson, S.A., 1211
Esbenshade, K.L., 499,583
Etherington, W.G., 877
Evans, L.E., 601
Evans, M.J., 125.
Eyestone, W.H., 141,226

Farr, J.M., 218.
Farrell, P.B., 223,224,225.
Farries, E., 248.
Fayrer-Hosken, R.A., 227,345.
First, N.L., 188,226,249,316,333
Fitzgerald, J.A., 1031
Flores, G., 749
Foote, R.H., 223,224,225,274,
353,354,433
Foote, W.D., 563
Fortune, J.E., 270.
Fowler, M.E., 891
Foxworth, W.B., 217.
Francis, H. 175.
Freeman, D.A., 344.
Freeman, K.P., 799
Freshman, J.L., 1057
Fuhrer, F., 477

Gajda, B., 741
Galik, P.K., 331.
Gallagher, M., 268.

Garcia, A., 198,282.
Garcia, M., 1091,1105
Garner, D.L., 1211
Garnier, V., 741
Gartley, C.J., 201.
Gathy, I., 851
Gelwicks, E.J., 228,299.
Georgie, G.C., 210.
Gielen, J.Th., 229.
Gilbert, D.E., 230.
Gilbert, R.O., 577,645,1011
Gill, T.J., 363.
Ginther, O.J., 1269
Godfrey, R.W., 231.
Godke, R.A., 194,197,300,309, 314,315.
Goel, A.K., 232.
Goldman, 224.
Gonzalez, A., 519
Gonzalez, M., 208.
Goodeaux, L.L., 200,233,234,235, 236,290,336,337.
Goodeaux, S.D., 200.
Goodrowe, K.L., 201,237.
Goodwin, M.L., 306,
Gordon, A., 268,
Gordon, I., 77,258,268,278, 324,343,352
Goto, K., 238,264,291.
Goulding, D., 239.
Gradil, C.M., 553
Graham, E.F., 733
Grasso, F., 240,313.
Graves, C.N., 212.
Greve, T., 252,301.
Grimson, R.J., 487
Groce, A.W., 1287
Gronwall, R.R., 373,
Gross, T.S., 262.
Grove, R.J., 653
Guilbault, L., 313.
Guilbault, L.A., 240.
Guillette, L.J., Jr., 809
Guraya, S.S., 569

Halbert, G.W., 977,993,1231
Hamilton, G.S., 241.
Hanks, D.R., 563
Hansel, W., 332,338.
Hao, Z., 364,365.
Hardin, D.K., 1287
Hare, W.C.D., 51.
Harris, S., 113.
Harrison, R., 337.
Hartl, P., 320.
Hasler, J., 225.
Hay, J.H., 563
Heard, T.M., 342.
Hemken, R.M., 653
Hendricks, D.M., 943
Henig, I., 1015
Hennighausen, L., 302.
Hepburn, J., 251.
Hernandez-Ledezma, J.J., 242,243.
Herr, C., 244.
Herr, C.M., 199,245,246,247,285.
Herrler, A., 248,415
Heyman, Y., 741
Hibbard, M., 200.
Hillery, F.L., 249.
Hinrichs, K., 937
Hishinuma, M., 627
Hishiyama, K., 264.
Hoeijmakers, M.J.H., 229..
Hoffman, W.E., 723
Hoier, R., 252.
Holm, P., 250,251.
Holt, N., 244.
Holt, N.A., 247.
Hoover, J.L., 901
Hopkins, S.H., 262.
Howard, H.J., 583
Hsu, W.H., 601
Huffman, D., 194.
Hughes, J.P., 1121,1305
Hung, N.N., 837
Hutchinson, J.S.M., 186.
Hynes, N., 677
Hyttel, P., 252,301.

Ignotz, G., 187.
Illera, M., 253.
Illera, M.J., 253.
Iritani, A., 341.
Itakura, H., 254.
Ivani, K.A., 255.
Iwasaki, S., 669

Jaffe, P.H., 809
Jailkhani, S., 256,340.
James, J.E., 553
James, R.W., 1297
Javed, M.H., 257.
Jeon, D.K., 271.
Jianchen, W., 260.
Jiang, H.S., 258,278,343.
Jilek, F., 1151
Jimenez, F.K., 207.
Johnson, L.A., 1211
Johnson, W.H., 306,307,877
Johnston, N.P., 1157
Jones, A.L., 259,349.
Jones, G., 332,338.
Jones, H., 332,338.
Jones, J.M., 226.
Joshi, B.V., 289,1231
Jufen, Q., 260.
Jun, X., 260.
Juneja, S.C., 261.
Junior, S.M., 262.
Jura, J., 263.

Kacheva, D., 453
Kahn, W., 385
Kajihara, Y., 264.
Kaker, M.L., 915
Kameyama, K., 254,265.
Kanagawa, H., 627
Kanbour-Shakir, A., 363.
Kanda, S., 769
Kanka, J., 252.
Karaivanov, C., 453,
Kasiraj, R., 289,1131
Kastelic, J.P., 1269
Katila, T., 723
Kato, S., 769
Kato, Y., 777
Katska, L., 263.
Keffer, C., 101.
Keisler, D., 175.
Keller, G.L., 228,299.
Kiesling, D.O., 288.
Kim, C.I., 433
Kim, I.H., 271.
Kim, J.G., 266.
Kim, S.K., 267.
King, D., 302.
King, W.A., 237,339,351,356.
Kinis, A., 268.
Kinoshita, A., 238.
Kleeman, D.O., 487,965
Ko, J.C.H. 601
Kobayashi, K., 777
Kobayashi, S., 264.
Kometani, N., 264.
Kopel, E., 314.
Korb, H., 477
Koshiba, Y., 264.
Kovacs, A, 353.
Kraemer, D.C., 217,218,267,277,
304,350,358.
Krogh, K., 250,251.
Kruip, Th.A.M., 216,269,297.
Kumi-Diaka, J., 925
Kunz, H.W., 363.

Langenhoven, J., 348.
Lasley, B.L., 1305
Lauerman, L.H., 331.
Laurie, S., 125.
Laursen, I.A., 250.
Lavoir, M., 270.
Lee, K.W., 271.
Leibfried-Rutledge, M.L., 188,316.
Leibo, S.P., 67,531
Leichthammer, F., 272,1221
Levanduski, M.J., 273,350.
Lewis, P.A., 1191
Ley, W.B., 1177
Li, J., 274.
Lin, Y.C., 318.
Ling, Z.J., 275.
Lisboa, S.R., 308.
Lock, T.F., 723
Lohan, I.S., 210.
Looney, C.R., 165,259,283.
Lopez-Glatius, F., 843
Loskutoff, N.M., 276,277,358.
Love, C.C., 1201
Love, D.F., 202.
Lowstetter, R.A., 233.
Lu, K.H., 77,205,258,275,278,
324,335,343,352,355.
Luker, C.W., 637
Lussier, J., 313,346.

Lussier, J.G., 240,519
Ma, B., 196.
Ma, B.H., 219.
Machaty, Z., 851
MacLaren, L.A., 279.
Madan, M.L., 256,280,325,326, 327,328,329,340.
Maier, R., 1045
Malestein, A., 1075
Mandiki, S.N.M., 397
Mann, D.A., 281.
Mapletoft, R.J., 198,208,209, 282,294,295,319,346,347
Mapletoft, R.J., 319,346,347,519
Marek, D.E., 259,283.
Markert, C.L., 211,284,1165
Martin, L.A., 218.
Martin, M.J., 284,1165
Martin, S.W., 877
Mason, D.W., 202.
Matsuoka, K., 334.
Matter, J.M., 809
Matthaei, K.I., 199,245,246, 247,281,285.
Mattiacci, M.R., 677
Matton, P., 240,313.
Maurer. R.R., 286.
McClenaghan, M., 113.
McCue, P.M., 1121
McDonnell, S.M., 1201
McEvoy, T.G., 819,1245
McGinnis, L.K., 287.
Mcgrath, A., 225.
McLaughlin, K.J., 1191
McLean, D.M., 1191
Mehren, K.G., 201,237.
Monezo, Y., 234,235,337.
Meredith, S., 288.
Metcalf, E.S., 1177
Meyers, S.A., 465
Mika, J., 1151
Miller, D.R., 349.
Minhas, B.S., 266.
Misra, A.K., 289,1131
Miyano, T., 769
Mole, J.R., 1031
Molitor, T.W., 553
Montavon, S.M., 1305
Moor, R.M., 125.
Moreau, J.D., 200,233,290,337.
Morrow, R.E., 613
Munar, C.J., 5.
Munoz, I., 253.
Muramatsu, T., 798
Murphy, B.D., 208,346,519

Nagashima, H., 777
Nakagawa, A., 334.
Nakahara, T., 669
Nakamato, S., 789
Nakanishi, Y., 291.
Nakao, H., 591
Nakatasuji, N., 591
Nanjo, I., 769,
Nassir Hussain Shah, S., 1333
Nasti, K.B., 331.
Navarro, H., 749
Nebel, R.L., 499
Nell, T., 229.
Nephew, K.P., 709
Newby, T.J., 943
Nicks, D.K., 288.
Niemann, H., 248,292,317,415
Nienhaus, P., 292.
Nigro, M.A., 5.
Njoku, C.O., 925
Notarianni, E., 125.
Nusbaum, K.E., 1113

Ochs, D.L., 1177
Ogawa, K., 238.
Ogawa, S., 777
Old, K., 244.
Olson, J.H., 231.
Olson, P.N., 1057
Olson, S.E., 293,310.
Onihara, T., 254,265.
Ooe, M., 334,357.
Otter, T., 216.
O'Doherty, J.V., 1279

Palasz, A., 294,295,319,346,347
Palha, M.D., 308,
Palha, M.D.C., 330,
Papa, R., 320,
Paquay, R., 397
Paraf, A., 953
Paris, A., 953

Park, H.K., 267,
Parrish, J.J., 249,333.
Pashen, R.L., 230.
Pasman, J., 229.
Patterson, D.J., 661
Pawlyshyn, V., 282,346.
Peter, A.T., 637,645,1011
Petersen, B.A., 250,251.
Petr, J., 1151
Petrov, M., 453
Petrzak, U., 245.
Peura, T.T., 296.
Pfrimmer Hensley, A., 809
Phelps, D.A., 563
Picard, L., 356.
Pierson, R.A., 198,347.
Pieterse, M.C., 269,297,697
Pietrzak, Y., 244.
Pineda, M.H., 185.
Pipkin, J.L., 298,
Pittius, C.W., 302.
Plante, L., 351,
Plata, N.I., 943
Pollard, J.W., 351.
Ponzoni, R.W., 965
Pool, S.H., 197,300.
Pope, C.E., 206,228,231,299.
Pope, W.F., 709
Prakash, B.S., 256,340,837
Prien, S.D., 298.
Princhard, J.F., 197,300,314.
Pritchard, E.L., 373
Prochazka, R., 252,301.
Prough, S.G., 1015
Pryor, J.H, 283.
Pursel, V.G., 302.
Purswell, B.J., 1177

Qian, J., 365.

Rabb, M.H., 312.
Raines, L.J., 129.
Rainio, V., 303.
Rajamahendran, R., 441,
Rall, W.F., 321,531
Randareddi, N.S., 289,1131
Redelman, D., 1211
Reed, K., 244.
Reed, K.C., 199,246,247,281,285
Reed, M.A., 901
Reed, M.L., 304.
Reid, M.P., 943
Reinders, J.M.C., 216.
Remy, B., 192.
Resnik, M., 191.
Rexroad, C.E. Jr., 305.
Richards, M.W., 509
Rieger, D., 306,307.
Rieke, A.R., 193.
Rivier, J., 1305
Roberts, R.M., 175.
Robertson, J.L., 261.
Robl, J.M., 213.
Roche, J.F., 239.
Roche, J.F., 677
Rodrigues, J.L., 308,330.
Rodriguez, H., 315.
Rodriguez, H.F., 309.
Rodriguez de Sadia, C., 253.
Roerink, G.H., 229.
Rogers, G.E., 342.
Romero, A., 293,310.
Rorie, R.W., 311,351.
Rosa, J.M., 330.
Roszel, J.F., 799
Roth, T.L., 279,312.
Roudebush, W.E., 266.
Rouillier, R., 313.
Roussel, J.D., 200,233,234,235,
235,236,290,336,337
Ruder-Montegomery, C.A., 220.
Rumph, P.F., 867
Rust, J., 190.
Rust, J.M., 348.
Ryan, D.P., 314,315.

Sacher, B., 292.
Saeki, K., 316.
Saito, S., 317.
Sakata, A., 334.
Sanbuissho, A., 318.
Sangiah, S., 509
Sapundjiev, E.E., 453
Saror, D.I., 925
Sasser, R.G., 220.
Saumande, J., 192.
Saunders, J., 282,319,347.
Savio, J.D., 677

Schallenberger, E., 320.
Schalue-Francis, T., 175.
Schanbacher, B.D., 222.
Schellander, K., 477
Schiewe, M.C., 9,262,321.
Schini, S.A., 1255
Schleger, W., 477
Schmidt, P.M., 9.
Schmutz, S., 282.
Schoenemann, H.M., 509
Schroeder, A.C., 89.
Schumann, F., 198.
Seamark, R.F., 342,487,965,1191
Seidel, G.E. Jr., 255,293,310,322
Sekoni, V.O., 925
Sertich, P.L., 1263
Seshagiri, P.B., 323.
Shapiro, S.S., 23.
Sharma, Y.P., 915
Sharpe, P., 1231
Shi, D.S., 324.
Shiraiwa, K., 264.
Shitanaka, Y., 264.
Shur, B.D., 227.
Siddiqui, M.U., 289,1131
Sidhu, K.S., 569
Siegel, M.R., 653
Silveira, M.C., 308,330.
Simkin, M.E., 223,224.
Simmons, L.G., 262.
Simon, J.E., 637
Simons, J.P., 113.
Simpson, A.C., 1297
Simpson, T.R., 217.
Singal, S.P., 210.
Singh, C., 325,326.
Singh, N., 569
Singla, S.K., 256,327,328,329,340
Sirard, M.A., 757
Sivaiah, S., 289,1131
Sivaprasad, A.V., 342.
Skow, L.C., 304.
Slaugh, B.T., 1157
Slusher, S.H., 799
Smidt, D., 292.
Smith, A.R., 723
Smith, D.H., 487,965
Smith, L.C., 153.
Smith, M.F., 613
Smith, P.C., 1113
Smith, S., 252,301.
Smorag, Z., 263,741
Son, D.S., 271.
Spitzer, J.C., 943
Sreenan, J.M., 1245
Sreenan, J.M., 819,1245
Stabenfeldt, G.H., 891,1305
Steeg, R.H.M., 229.
Steel, T., 246.
Stefani, J.S., 308,330.
Stevens, G., 1191
Stock, A., 338.
Stock, A.E., 332.
Stringfellow, D.A., 1113
Stringfellow, D.A., 331,1113
Strojek, R.M., 901
Stuart, L.D., 321.
Suga, T., 334.
Susko-Parrish, J.L., 333.
Suzuki, T., 334,357.
Swanson, W.F., 315.
Szenci, O., 697

Takacs, T., 851
Takahashi, Y., 627
Takeda, T., 254,265.
Takuma. Y., 238.
Tan, S.J., 335.
Taverne, M.A.M., 269,297.697,1075
Tenhumberg, H., 320,
Terqui, M., 953
Tervit, H.R., 1297
Thatcher, M.J.D., 953
Thatcher, W.W., 953
Thibodeaux, J.K., 200,233,234,
235,236,290,336,337
Thomas, W.K., 293,310.
Thompson, C.E., 943
Thompson, D.L. Jr., 312.
Thompson, J.G.E., 1297
Tian, X., 338.
Tibary, A., 733
Tice, T.R., 202.
Tobback, C., 353.
Tran, T., 373
Tredway, D.R., 1015
Tsunoda, S., 798
Tubbs, R.C., 1287

Turner, J.L., 228,299.
Tuyen, D.K., 340.
Twedt, D.C., 1057

Uto, Y., 291.
Utsumi, K., 341.

vab den Berg, S.S., 577
Valdez, C.A., 627
Valencia, J., 749
Vallet, J.C., 192.
van Beneden, Th.H., 269.
Van Camp, S.D., 829
van de Sandt, J.J., 89.
Van de Wiel, D.F.M., 1333
van der Walt, T., 190,348.
van Niekerk, C.H., 190,348.
van 't Klooster, A.Th., 1075
Vanderwall, D.K., 344.
Varner, D.D., 465
Varney, D.R., 653
Vautier, R.A., 5.
Vergos, E., 268.
Verma, P.J., 342.
Verma, S.K., 1143
Villa-Godoy, A., 207.

Wagner, H.G., 320.
Wagner, T.E., 901
Walker, S.K., 342,487,965
Walkley, J.R.W., 487,965
Wall, R.J., 302.
Walton, J.S., 306,307,441,977, 993,1231
Wang, G., 196.
Wang, G.Y., 219.
Wang, J., 196,359,360,361, 364,365.
Wang, J.C., 219.
Wang, W.L., 258,278,343.
Watson, E.D., 1263
Webb, J., 225.
Webb, J.R., 59.
Weber, J.A., 344.
Westhusin, M.E., 165,273,350.
Wettemann, R.P., 509
Wheeler, M.B., 333.
Whitacre, M.D., 829
White, K.L., 204,312.
Whitelaw, C.B.A., 113.
Whitesell, T.H., 283.
Whiting, C.J., 230.
Whittier, J.C., 613
Wiemer, K.W., 309.
Wildt, D.E., 9,321.
Willemse, A.H., 297,697,1333
Williams, D.H., 239.
Williams, J.E., 203,423
Willis, P., 345.
Willmott, N., 282,319,346,347.
Wilmut, I., 113.
Wilson, J.M., 259,349.
Wise, T.H., 286.
Witchel, J.J., 829
Wolfe, B.A., 350.
Wong, T.S., 220.
Woods, G.L., 344.
Wright, R.W. Jr., 242,243,257.
Wurth, Y.A., 269.

Xie, S., 709
Xu, J., 360.
Xu, K.P., 311,351,356.

Yadav, B.R., 339,356.
Yamakawa, H., 777
Yamamato, M., 334,357.
Yang, N.S., 352.
Yang, X., 274,353,354.
Yang, Y.B., 355.
Yates, D.J., 829
Yee, B., 358.
Yong, Z., 260.
Yoshizawa, M., 789
Youngs, C.R., 287.
Younis, A.I., 362.

Zaralis, 1323
Zarco, L., 749
Zavos, P.M., 653
Zhang, L., 353.
Zhang, X., 363.
Zhang, Y., 359,360,361.
Zhu, B., 196.
Ziecik, A.J., 583
Ziomek, C.A., 89.
Zoli, A.P., 366.

SUBJECT INDEX VOLUME 33

avian,
turkey, 1157.
egg production, 1157.
photoperiod, 1157.

bovine, 385,433,477,509,531,563,
577,591,601,613,697,757,819,837,
877,943,1011,1075,1221.
abortion, 1075.
Angus x Hereford heifer, 661.
blastocysts, 669.
blood pressure, 1075.
Brahman x Hereford heifer, 661.
buffalo, 915,1131,1333.
acrosome reaction in, 569.
anestrus, 1333.
anestrus diagnosis, 1333.
anestrus therapy, 1333.
capacitation in, 569.
dairy, 1333.
fertilization in, 569.
follicular fluid, 569.
folltropin, 1131.
GnRH, 1131.
milk progesterone, 915.
ovarian cyclicity, 915.
pregnancy, 837.
River, 453.
FSH in, 453.
PMSG in, 453.
superovulation, 1131.
thyroxine use, 837.
vesiculation in, 569.
bull, 577,733,2111.
electroejaculation, 733.
impotence, 577.
penis, 577.
radiography, 577.
semen centrifugation, 733.
semen dialysis, 733.
post-thaw fertility, 733.
post-thaw motility, 733.
spermatozoa, 1211.
antibiotics on, 1211.
flow cytometry, 1211.
vascular shunts, 577.
cell numbers, 669.
conception rate, 1113.
corpus luteum, 441,1269.
co-culture, 591.

bovine (cont'd.)
culture,
in rabbit oviducts, 669.
in vitro, 669,1221.
in vivo, 669.
medium components, 591.
cytogenetics, 531.
dairy, 845,851,1075,1151.
deep insemination, 843.
dominant follicle in, 677.
donor, 415.
donor screening, 415.
early embryos, 591.
eggs, 591.
EIA test, 697.
embryo, 1191.
bisection, 1245.
collection, 563.
culture, 1191.
development stage, 1245.
nonsurgical recovery, 563.
quality, 1245.
sex differentiation, 1221.
transfer, 415.
viability, 819.
endocrine changes, 441.
endometrial biopsy, 877.
endometrial histology, 877.
estradiol valerate, 441.
estradiol-17beta, 613.
estradiol-relaxin, 613.
estrous cycle of, 677,1105.
estrous serum, 477.
estrus detection, 1105.
fertility, 943.
fertilization, 477.
in vitro, 591.
fetal,
heart rate, 1075.
hypoxemia, 1075.
fetus, 378,531.
organ detection, 385.
fetuses, 531.
follicle dynamics, 441.
folltropin in, 519.
GnRH in, 661.
heifer, 519,637,677,943,1269.
Holstein,
anovulation in, 637.
corpus luteum, 645.

bovine (cont'd.)
Holstein (cont'd.)
cortisol release in, 637.
estradiol blocks in, 637.
E. coli endotoxin in, 637,645.
LH surge in, 637.
metritis, 645.
progesterone in, 645.
hormones, 477.
induced puberty, 661.
infectious bovine
rhinotracheitis, 1113.
LH:FSH ratio, 519.
luprositol, 943.
synchronization by, 943.
luteal phase, 1105.
luteolysis, 677.
meiosis resumption, 757.
milk progesterone, 1091,1105.
Murrah buffalo, 837.
myometrial contractility, 601.
Naloxone use in, 509.
nitrite intoxication, 1075.
oocyte, 433,757.
oocyte co-culture, 433.
fertilization, 433.
maturation, 433,477.
stimulation with
adenylate cyclase, 757.
ova,
centrifugation, 819.
gene transfer, 819.
microinjection, 819.
ovulation in, 677.
palpation per rectum, 1091.
parturition, 613, 1075.
phosphate-buffered saline, 613.
phosphodiesterase, 757.
PMSG in, 1151.
porcine relaxin in, 613.
postpartum, 877.
endotoxin absorption, 1011.
pregnancy, 837,1191.
diagnosis, 697.
prenatal sex, 531.
prepartum, 613.
primordial germ cells, 1221.
progesterone, 1269.
assay, 415.
decay, 1091.
bovine (cont'd.)
progestogen in, 661.
prostaglandin in, 877,943.
prostanoids, 1011.
pulsatile LH secretion, 509.
reproductive performance, 877.
RIA-test, 697.
sonography of, 385.
superovulation, 415,519,819,
843,1151.
synthetic oviduct
fluid medium, 1191.
TCM199 in, 433.
thyroxine, 837.
transuterine sperm
transport, 843.
ultrasound, 441,1229.
ultrasound scanning, 697.
uterine,
bacterial contamination, 851
flushing, 563.
vaccination, 1113.
induced infertility by, 1113
xylazine in, 601
Yohimbine use of, 509.
Zebu cattle, 925.
crossbred female, 1091.
crossbred zebu, 1105.
female, 1091.
infertility, 925.
sperm abnormalities, 925.
spermatozoa, 925.
trypanosomiasis, 925.
zona pellucida-free, 1245.
buffalo (see bovine).
bull (see bovine).

canine, 829,1057.
abortion, 829.
bromocryptine, 829.
prostaglandin, 829.
male,
anabolic steroid, 1057.
greyhound, 1057.
methyltestosterone, 1057.
reproductive function, 1057.

caprine, 689,749.
blood stability, 749.
FITC-PSA use in, 689.

caprine (cont'd.)
heparinized blood, 749.
metabolism in blood, 749.
progesterone
concentrations, 749.
sperm, 689.
acrosomal reaction, 689.
penetration, 689.
cattle (see bovine).
cow (see bovine).

equine, 465,723,799,937,1121.
downregulation, 1305.
embryo transfer, 937.
GnRH-agonist, 1305.
mare, 1177,1263,1305.
dimethyl sulfoxide, 1177.
DMSO, 1177.
endometrial biopsies, 465,799.
fertility, 465.
foal heat, 1121.
follicular aspiration, 1263.
luteal function, 1263.
post breeding, 465.
uterine culture, 1121.
alkaline phosphatase.
concentration, 723.
cytology, 1121.
flushing, 937.
glycogen, 799.
histochemistry, 799.
lavage, 465,1121.
lysosyme concentration, 723.
mucins, 799.
neutrophil in, 723,1177.
uterus, 799.
sexual behavior, 1305.
stallion, 1201,1305.
ejaculation, 1201.
manual stimulation, 1201.
semen collection, 1201.
ewe (see ovine).

goat (see caprine).

heifer (see bovine).

lagomorph, 741,777.
cryopreservation
vitrification, 777.
culture in vitro, 1221.
embryo dehydration, 741.
embryo, 741.
one cell, 741.
two cell, 741.
viability, 741.
in sucrose, 741.
in trehalose, 741.
morula, 777.
bissected, 777.
primordial germ cells, 1221.
sex differentiation, 1221.
llamas, 891.
gonadotrophins, 891.
ovulation, 891.
steroids, 891.
mare (see equine).
mouse (see rodentia).

ovine, 423,953,965.
birthweight, 965.
Booroola Merino, 965.
embryo, 423.
glucose uptake, 423.
one-cell, 423.
mortality, 487.
ewe, 397.993,997,1143,,1231,
1279,1297.
artificial light, 1323.
Australian merino, 487.
Booroola merino, 487.
cervical canal, 977.
CIDR, 977.
endocrine control, 397.
estrus, 1143.
estrus activity, 397.
F gene, 487.
fecundity, 1143.
fertilization, 487.
hormonal secretion, 397.
immunization, 1143.
lambing fertility, 1143.
lambing months, 397.
lambs, 1279.
suckling mode, 397.
survival, 965.

ovine (cont'd.)
litter size, 965.
mating, 1279.
ovarian activity, 397.
cells, 953.
cholesterol dependency, 953.
ovulation rate, 965.
polyandroalbumin, 1143.
PMSG in, 1279.
progestagen, 1279.
containing sponges, 1297.
progesterone, 953.
pyruvate uptake, 423.
reproductive performance, 1323.
season, 397,1323.
superovulation, 1297.
transcervical intrauterine insemination, 993,1231.
transcervical passage, 977.
trial, 1231.
ram, 373,867,1031.
acrosome reaction in, 373.
Banamine use, 373.
PEG2 in, 373.
scrotal circumference, 867.
semen of, 373.

ram (cont'd.)
spermatozoa, 1031.
temperature, 1031.
ultrasound, 867.
sperm in bovine cervical mucus, 1031.

pig (see porcine).
porcine, 499,553,583,689,709,769,901,1045,1221,
acrosomal stain, 689.
culture in vitro, 1221.
embryo,
co-cultivation, 901.
sex differentiation, 1221.
transfer, 709.
zonae-intact, 709.
embryonic stem cells, 901.
FITC-PSA use in, 689.
gilts, 709.
gonadal receptor, 583.
gonads, 583.

porcine (cont'd.)
granulosa cells, 1045.
luteinizing hormone, 583.
lymphocytes, 1045.
Meishan,
follicle, 769.
gonadotropin, 769.
ovary development, 769.
puberty, 769.
microencapsulation, 499.
monocytes, 1045.
oocytes, 1165.
activation, 1165.
maturation in vitro, 1165.
oviductal transfers, 709.
parvovirus, 709.
preblastocysts, 709.
preimplantation embryos, 553.
primordial germ cells, 1221.
progesterone, 1045.
sow, 1287.
anestrus, 1287.
interval to estrus, 1287.
progesterone, 1287.
spermatozoa, 499.
acrosomal reaction, 689.
penetration, 689.
rabbit (see lagomorph).
ram (see ovine).
reptile (see reptilia).
reptilia, 809.
arginine vasotocin use in, 809
indomethacin, 809.
oviposition, 809.
parturition induced, 809.

rodentia, 627,653.
hamster, 1255.
embryo culture, 1255.
transfer, 1255.
glucose in, 1255.
phosphate in, 1255.
mouse, 789,1015.
Acremonium in, 653.
blastocyst, 1015.
cell adhesion, 1015.
chromosome, 789.
developmental stage, 627.

rodentia (cont'd.)
diadenosine tetraphosphate (Ap4A) in, 1015.
embryo, 627.
air drying, 789.
cryopreservation, 627.
hypotonic treatment, 789.
in calf serum , 627.
micromanipulation, 789.
precooling, 627.
endophyte-infected seed, 653.
fescue toxicosis, 653.
implantation, 1015.
nucleotide, 1015.
oocytes, 1165.
activation, 1165.
in vitro maturation, 1165.
reproduction, 653.
tall fescue, 653.
vitrification, 627.

sheep (see ovine).
swine (see porcine).

turkey (see avian).

zona-free hamster ova,
(see caprine sperm penetration)
(see porcine sperm penetration)